

**LAND APPLICATION SITE**

**ALVA S. EMERSON**

**DWASE 1 - 9**

**DINWIDDIE COUNTY**

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

A. This land application agreement is made on 12-29-19 between James Emerson Jr. referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

**Landowner:**

The Landowner is the owner of record of the real property located in Dinwiddie Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>25-33</u>	<u>25-34B</u>		
<u>37-3D</u>			
<u>37-3B</u>			
<u>38-4</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.  
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>James Emerson</u>	Mailing Address <u>10885 Zilles Rd.</u> <u>Blackstone, Va 23824</u>	Landowner Signature <u>James Emerson Jr.</u>
By: <u>JAMES E. EMERSON, JR.</u>	Phone No. <u>804-265-5053</u>	
Title* <u>owner</u>		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input checked="" type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>Trumbo</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: James Emerson Jr.

**Landowner Site Management Requirements:**

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
  - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
  - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
  - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
  - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
  - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
  - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
  - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
  - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days,
  - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
  - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

James F. Emerson, Jr. Adm.  
Landowner's Signature

12-29-19  
Date

H. A. Moody  
Operator's Signature

10876 Zillrs Rd.  
Blackstone, VA 23824  
804-231-3103  
mailing address & phone

12-29-19  
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION  
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

**PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS**

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<u>37-3B</u>			
<u>38-4C</u>			
<u>38-4</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

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<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>John Emerson</u>	Mailing Address <u>11103 211th Rd</u> <u>Blackstone, Va 23824</u>	Landowner Signature  <u>John Emerson</u>
By: <u>John Emerson</u> Title: <u>Owner</u>	Phone No. <u>804-265-3855</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

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Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature: <u>[Signature]</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Dinwiddie

Landowner: John Emerson

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John Emerson  
Landowner's Signature

12-29-19  
Date

W. A. Moody  
Operator's Signature

10876 Zilles Rd.  
Blackstone, VA 23824  
804-731-3103  
mailing address & phone

12-29-19  
Date

## Landowner Coordination Form

Permittee: Recyc Systems, Inc

County or City: Dinwiddie County

Signature not required on this page

[illegible]

# **NEW FIELD CHANGES**

**ALVA S. EMERSON**

**DINWIDDIE COUNTY**

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**NEW FIELD 1 IS A PART OF OLD FIELD 1.**

**NEW FIELD 2 IS PART OF OLD FIELD 4.**

**NEW FIELD 3 IS PART OF OLD FIELD 4.**

**NEW FIELD 4 IS PART OF OLD FIELD 3.**

**NEW FIELD 5 IS PART OF OLD FIELD 3.**


**NEW FIELD 6 IS PART OF OLD FIELD 2.**

**NEW FIELD 7 IS A NEW FIELD.**

**NEW FIELD 8 IS PART OF OLD FIELD 2.**

**NEW FIELD 9 IS A NEW FIELD.**

# FARM DATA SHEET

<b>SITE NAME:</b>	Alva S. Emerson	<b>COUNTY:</b>	Dinwiddie
<b>OWNER:</b>	James F. Emerson Jr. and John T. Emerson	<b>OPERATOR:</b>	Harrison A. Moody
<b>OWNER'S</b>	See List Below	<b>OPERATOR'S</b>	10876 Zilles Road
<b>ADDRESS:</b>		<b>ADDRESS:</b>	Blackstone, VA 23824
<b>OWNER'S TELEPHONE:</b>	See List Below	<b>OPERATOR'S TELEPHONE:</b>	804-265-8427
<b>GENERAL FARM TYPE:</b>	Hay/ Row Crops	<b>CELL PHONE:</b>	804-731-3103
<b># CATTLE:</b>	None	<b>EMAIL:</b>	<a href="mailto:Harrison_moody@hotmail.com">Harrison moody@hotmail.com</a>
<b>LAGOON or SLURRY:</b>	None	<b>LATITUDE:</b>	37.128
<b>TOPO QUAD:</b>	Blackstone East, Hebron, Darvills, Wellville	<b>LONGITUDE:</b>	-77.871
<b>COMMENTS:</b>		<b>METHOD OF DETERMINATION:</b>	Online Maps
	James F. Emerson Jr. 10885 Zilles Road Blackstone, VA 23824 804-265-5053		John T. Emerson 11103 Zilles Road Blackstone, VA 23824 804-265-3855
			11-19-19 BB 



# RECYC SYSTEMS, INC

## FIELD DATA SHEET

Field Identification	DEQ Control ID	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
			Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
DWASE 1	51053-00001-0000	8.0	-	-	-	-	CU 19	25-33	T 4554 F 6
DWASE 2N	51053-00004-0000	5.2	-	-	-	-	CU 19	25-33	T 4554 F 5
DWASE 3N	51053-00004-0000	10.8	-	-	-	-	CU 19	25-33	T 4554 F 2
DWASE 4N	51053-00003-0000	3.1	9B Jan.-Apr.	-	-	-	CU 19	25-33	T 4554 F 1
DWASE 5	51053-00003-0000	14.4	-	-	-	-	CU 19	25-33	T 4554 F 11
DWASE 6	51053-00002-0000	16.2	-	-	-	-	CU 19	25-33	T 4554 F 9, 10, 12
DWASE 7	New	1.8	-	-	-	-	CU 19	38-4	T 4554 F 7
DWASE 8	51053-00002-0000	7.3	9B Jan.-Apr.	-	-	-	CU 19	25-33 37-3D 37-3B	T 4554 F 10
DWASE 9	New	4.4	-	-	-	-	CU 19	38-4C	T 4554 F None
TOTAL ACRES IN SITE		71.2							

Report Number: 18-337-0583  
Account Number: 70594



7621 Whitepine Road, Richmond, VA 23237  
Main 804-743-9401 ° Fax 804-271-6446  
www.waypointanalytical.com

Send To: Recyc Systems Inc  
Susan Trumbo  
8455 Whiteshop Road  
Culpepper VA 22701

"Every acre...Every year."™

Grower: Alva Emerson  
Dinwiddie

SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 12/03/2018 Date Of Analysis: 12/04/2018 Date Of Report: 12/04/2018

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
DWASE 6.8	01436	1.9 L		83	173 VH			58 L	24 VL	428 M		5.2	6.80	1.3	3.8
Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
DWASE 6.8	3.9	5.3	56.3		34.2			5.2 H	19 M						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary

Date Received: 12/03/2018

Date Of Report: 12/04/2018

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P <sub>2</sub> O <sub>5</sub> lb/A	Potash K <sub>2</sub> O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
DWASE 6.8	Adjust pH to 6.8	0	2.0				23			2			

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Report Number: 17-016-0509

Account Number: 70594



"Every acre...Every year."™

7621 Whitepine Road, Richmond, VA 23237

Main 804-743-9401 • Fax 804-271-6446

www.waypointanalytical.com

Send To: Recyc Systems Inc  
Susan Trumbo  
8455 Whiteshop Road  
Culpepper VA 22701

Grower: Alva Emerson  
Dinwiddie

## SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 01/16/2017

Date Of Analysis: 01/17/2017

Date Of Report: 01/17/2017

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
DWASE-1	10775	1.5 L		75	79 H			66 M	50 M	534 H		6.1	6.88	0.5	3.8
DWASE- 2.3	10776	2.6 M		90	162 VH			57 L	51 VL	1574 VH		6.9		0.1	8.5

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
DWASE-1	4.5	11.0	70.3		13.2			2.9 M	25 H						
DWASE- 2.3	1.7	5.0	92.6		1.2			6.7 H	8 L						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

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Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 17-016-0509

Account Number: 70594



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Main 804-743-9401 • Fax 804-271-6446

www.waypointanalytical.com

Send To: Recyc Systems Inc  
Susan Trumbo  
8455 Whiteshop Road  
Culpepper VA 22701

Grower: Alva Emerson  
Dinwiddie

Date Received: 01/16/2017

Date Of Report: 01/17/2017

## SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P <sub>2</sub> O <sub>5</sub> lb/A	Potash K <sub>2</sub> O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
DWASE-1	Adjust pH to 6.8	0	1.3				30			0			
DWASE-4 2.3	Adjust pH to 6.8	0	0.0				29			3			

## Comments:

Sample(s) : DWASE-4 Crop: Adjust pH to 6.8

Apply required magnesium with magnesium oxide, Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Pauric McGroary

THE PLANNER IS NOT STATE CERTIFIED

**Nutrient Management Plan Balance Sheet**  
**(Fall, 2019-Winter, 2021)**  
**Alva S. Emerson**  
**Planner: John Doe**

Tract: 4554 Location: Dinwiddie  
(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
6/DWASE 1(N)	8/8	2019 2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
			... .. Soybeans (DC)	0-60-60	0/0				0-120-120	N/A			
5/DWASE 2(N)	5/5	2019 2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
			... .. Soybeans (DC)	0-60-60	0/0				0-120-120	N/A			
2/DWASE 3(N)	11/11	2019 2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
			... .. Soybeans (DC)	0-60-60	0/0				0-120-120	N/A			
1/DWASE 4(N)	3/3	2019 2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
			... .. Soybeans (DC)	0-60-60	0/0				0-120-120	N/A			
11/DWASE 5(N)	14/14	2019 2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
			... .. Soybeans (DC)	0-60-60	0/0				0-120-120	N/A			
9, 10, 12/DWASE 6(N)	16/16	2019 2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
			... .. Soybeans (DC)	0-60-60	0/0				0-120-120	N/A			
7/DWASE 7(N)	2/2	2019 2020	Wheat (grain)	100-60-60	0/0				100-60-60	N/A			
			... .. Soybeans (DC)	0-60-60	0/0				0-120-120	N/A			
10/DWASE 8(N)	7/7	2019	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			
None/DWASE 9(N)	4/4	2019	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:  
br - Broadcast ba - Banded sd - Sidedress

Notes:

**Soil Test Summary**

<b>Tract</b>	<b>Field</b>	<b>Acre</b>	<b>Date</b>	<b>P2O5</b>	<b>K2O</b>	<b>Lab</b>	<b>Soil pH</b>	<b>Lime Date</b>	<b>rec. lime tons/Ac</b>
4554	DWASE 1	8	[No Test]						
4554	DWASE 2	5	[No Test]						
4554	DWASE 3	11	[No Test]						
4554	DWASE 4	3	[No Test]						
4554	DWASE 5	14	[No Test]						
4554	DWASE 6	16	[No Test]						
4554	DWASE 7	2	[No Test]						
4554	DWASE 8	7	[No Test]						
4554	DWASE 9	4	[No Test]						

### **Field Productivities for Major Crops**

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
4554	4554/6	DWASE 1	8	Cecil	IVa	II	III	III	
	4554/5	DWASE 2	5	Appling	IVa	II	III	III	
	4554/2	DWASE 3	11	Appling	IVa	II	III	III	
	4554/1	DWASE 4	3	Appling	IVa	II	III	III	
	4554/11	DWASE 5	14	Appling	IVa	II	III	III	
	4554/9,	DWASE 6	16	Appling	IVa	II	III	III	
	10,								
	4554/7	DWASE 7	2	Appling	IVa	II	III	III	
	4554/10	DWASE 8	7	Appling	IVa	III	III	III	
	4554/Non e	DWASE 9	4	Appling	IVa	II	III	III	

### **Yield Range**

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

## Farm Summary Report

**Plan:**            **New Plan**        **Fall, 2019 - Winter, 2021**

**Farm Name:**    **Alva S. Emerson**

**Location:**      Dinwiddie

**Specialist:**     John Doe

**N-based Acres:** 71.2

**P-based Acres:** 0.0

**Tract Name:**    **4554**

**FSA Number:**   4554

**Location:**            Dinwiddie

**Field Name:**        **DWASE 1**

**Total Acres:**    8.00    **Usable Acres:**   8.00

**FSA Number:**    6

**Tract:**            4554

**Location:**            Dinwiddie

**Slope Class:**    C        **Hydrologic Group:**    B

**Riparian buffer width:** 0 ft

**Distance to stream:** 0 ft

### *P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

### **Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

### **Soils:**

PERCENT	SYMBOL	SOIL SERIES
34	2C	Appling
25	4B	Cecil
41	4C	Cecil



**Field Warnings:**

**Field Name:** DWASE 2

Total Acres: 5.20 Usable Acres: 5.20

FSA Number: 5

Tract: 4554

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
29	4B	Cecil
2	2C	Appling
69	2B	Appling

**Field Warnings:**

**Field Name:** DWASE 3

Total Acres: 10.80 Usable Acres: 10.80

FSA Number: 2

Tract: 4554

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
66	2B	Appling
34	2C	Appling

**Field Warnings:**

**Field Name:** DWASE 4

Total Acres: 3.10 Usable Acres: 3.10

FSA Number: 1

Tract: 4554

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
---------	--------	-------------

95            2B    Appling  
5            9B    Helena

**Field Warnings:**

**Field Name:        DWASE 5**

Total Acres:    14.40    Usable Acres:    14.40

FSA Number:    11

Tract:            4554

Location:            Dinwiddie

Slope Class:    B            Hydrologic Group:    B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	2B    Appling	

**Field Warnings:**

**Field Name:        DWASE 6**

Total Acres:    16.20    Usable Acres:    16.20

FSA Number:    9, 10, 12

Tract:            4554

Location:            Dinwiddie

Slope Class:    B            Hydrologic Group:    B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
95	2B	Appling
5	2C	Appling

**Field Warnings:**

**Field Name:** DWASE 7

Total Acres: 1.80 Usable Acres: 1.80

FSA Number: 7

Tract: 4554

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
---------	--------	-------------

2	2C	Appling
98	2B	Appling

**Field Warnings:**

**Field Name: DWASE 8**

Total Acres: 7.30 Usable Acres: 7.30

FSA Number: 10

Tract: 4554

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

**P-Index Summary**

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
84	2B	Appling
16	9B	Helena

**Field Warnings:**

**Field Name: DWASE 9**

Total Acres: 4.40 Usable Acres: 4.40

FSA Number: None

Tract: 4554

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft  
Distance to stream: 0 ft

**Conservation Practices:**

Pasture (>75% cover)

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

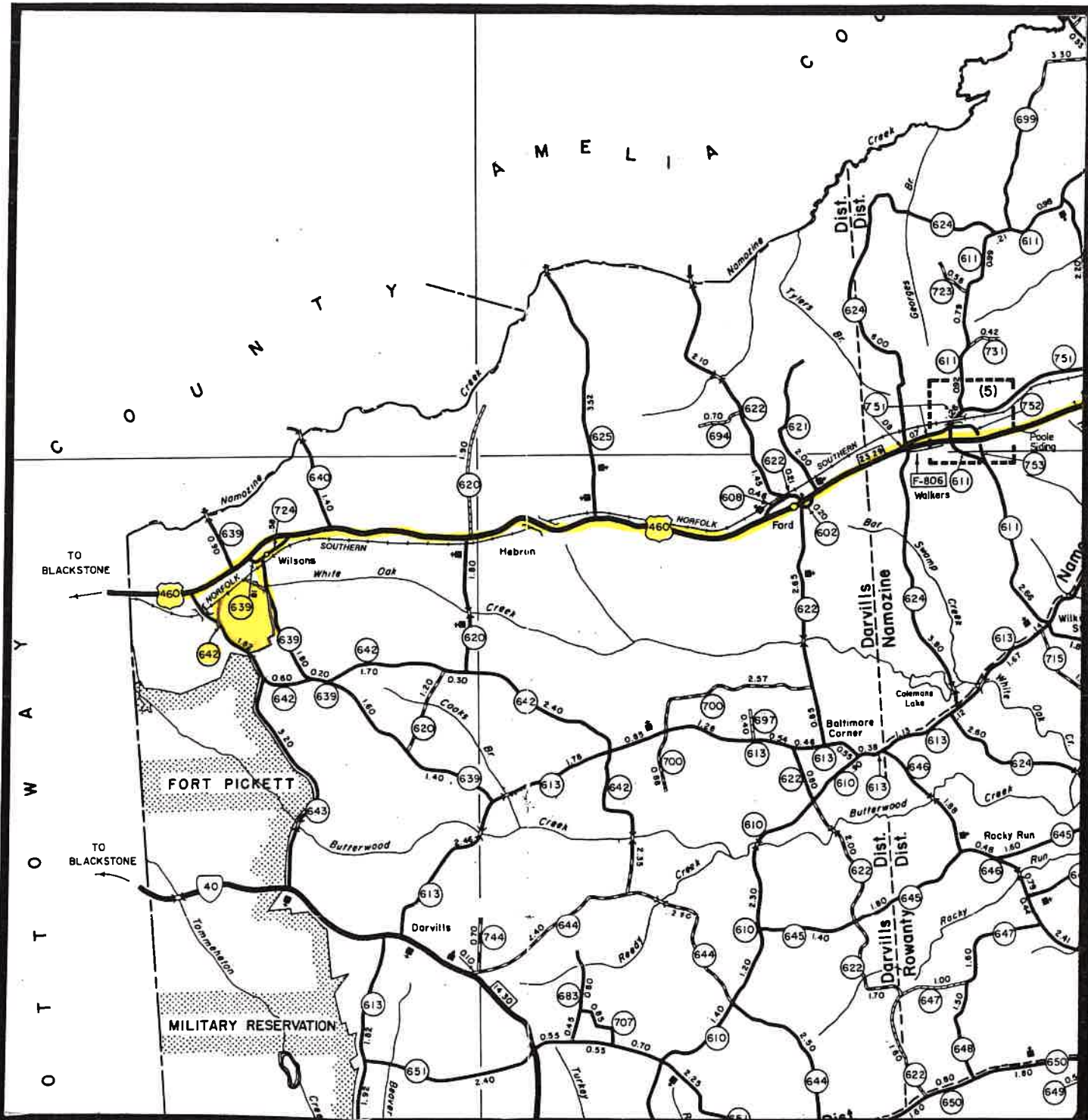
PERCENT	SYMBOL	SOIL SERIES
100	2B Appling	

**Field Warnings:**

# MAPS

# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 2 miles

DWASE

11-19-19

**VICINITY MAP**

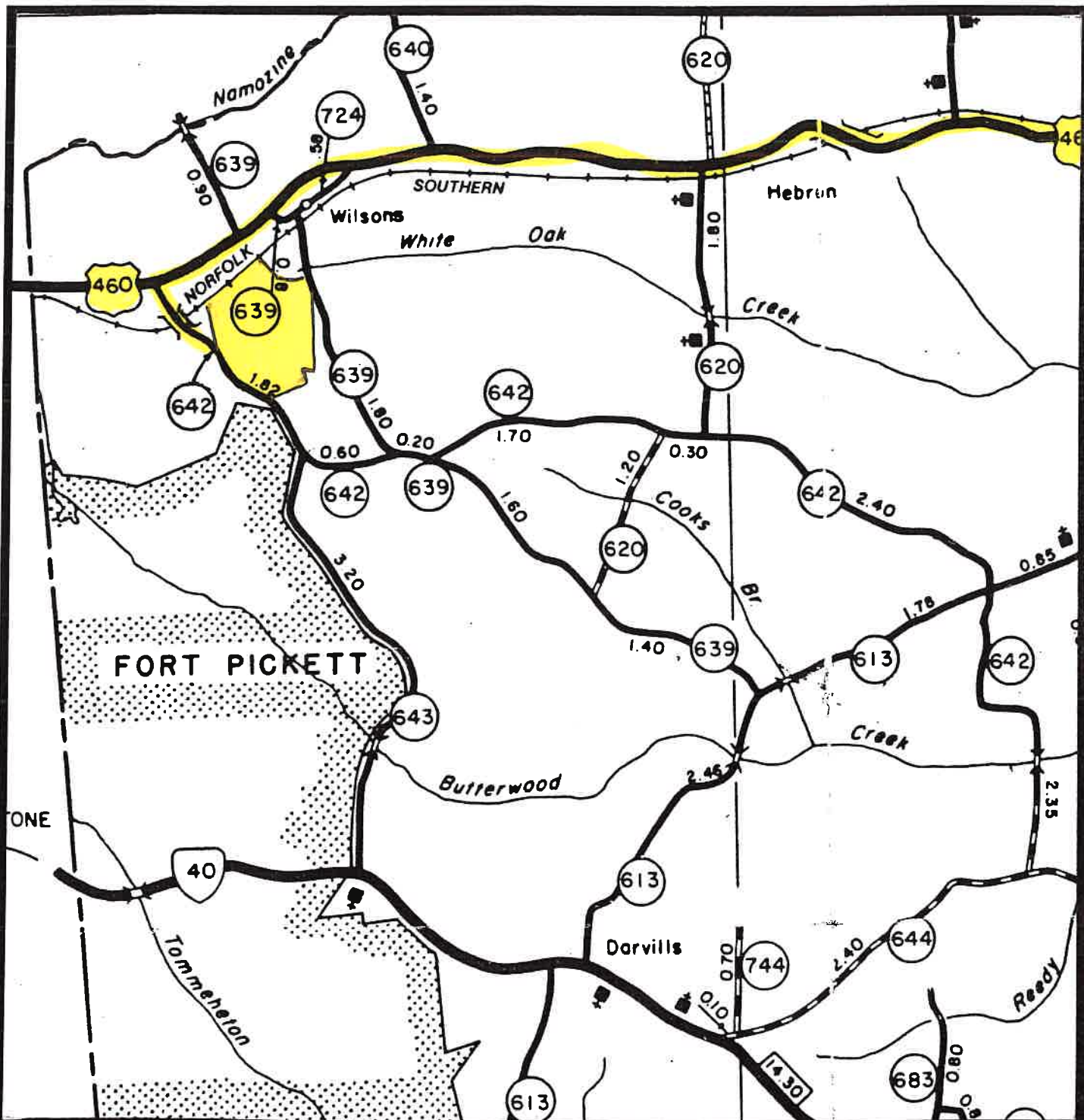
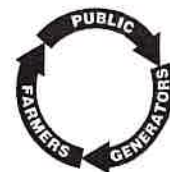
Truck Route marked  
in Yellow





# Recyc Systems<sup>TM</sup> Inc.

(Biosolids Land Application)



**Scale:** 1 inch = 1 mile

DWASE

11-19-19

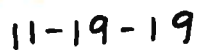
**VICINITY MAP**

Truck Route marked  
in Yellow





DWASE

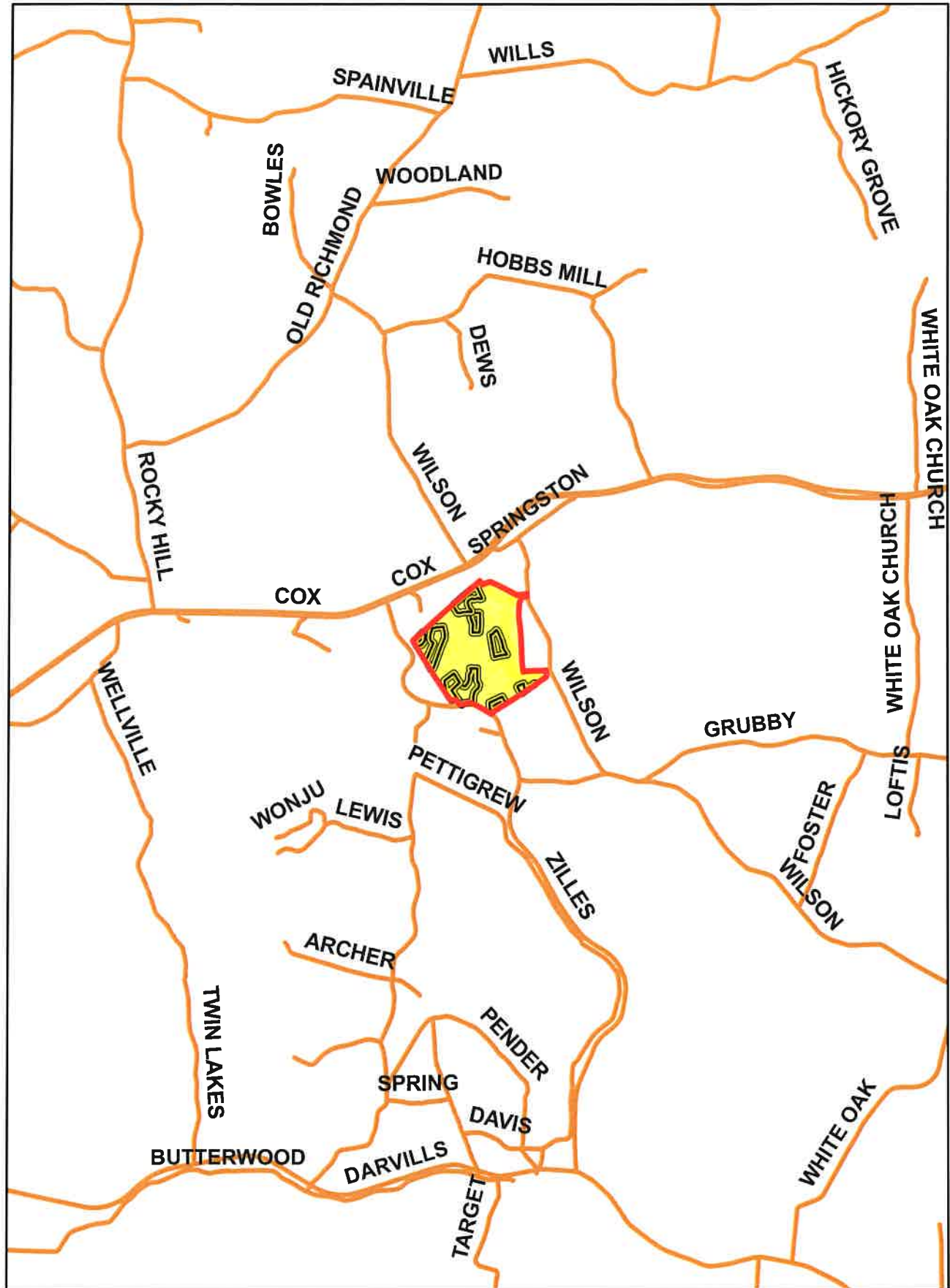


## Vicinity Map

1 in = 2 miles







11-19-19

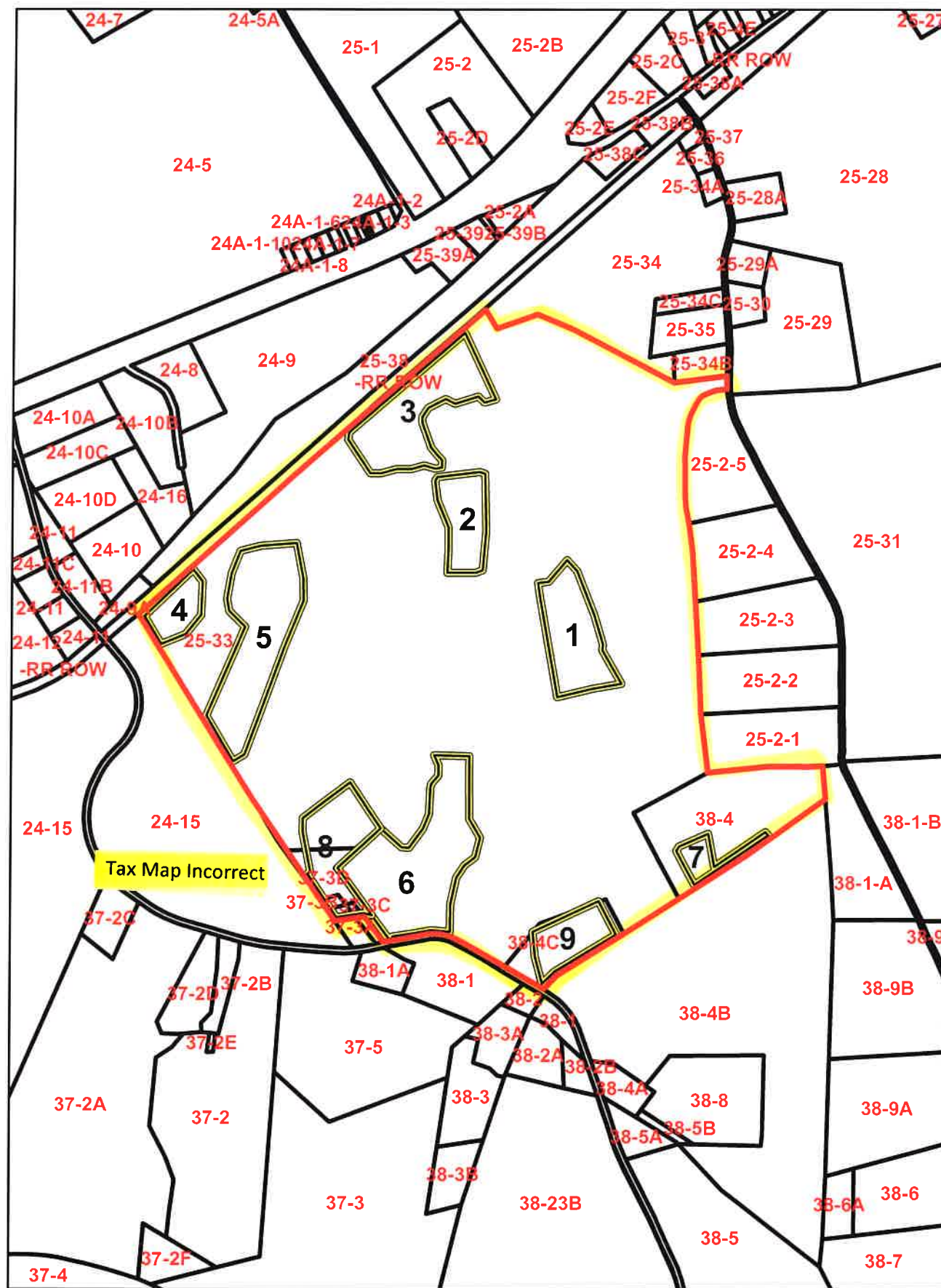
Vicinity Map

1 in = 1 miles





DWASE



11-19-19

# Tax Map

1 in = 1,042 feet







DWASE

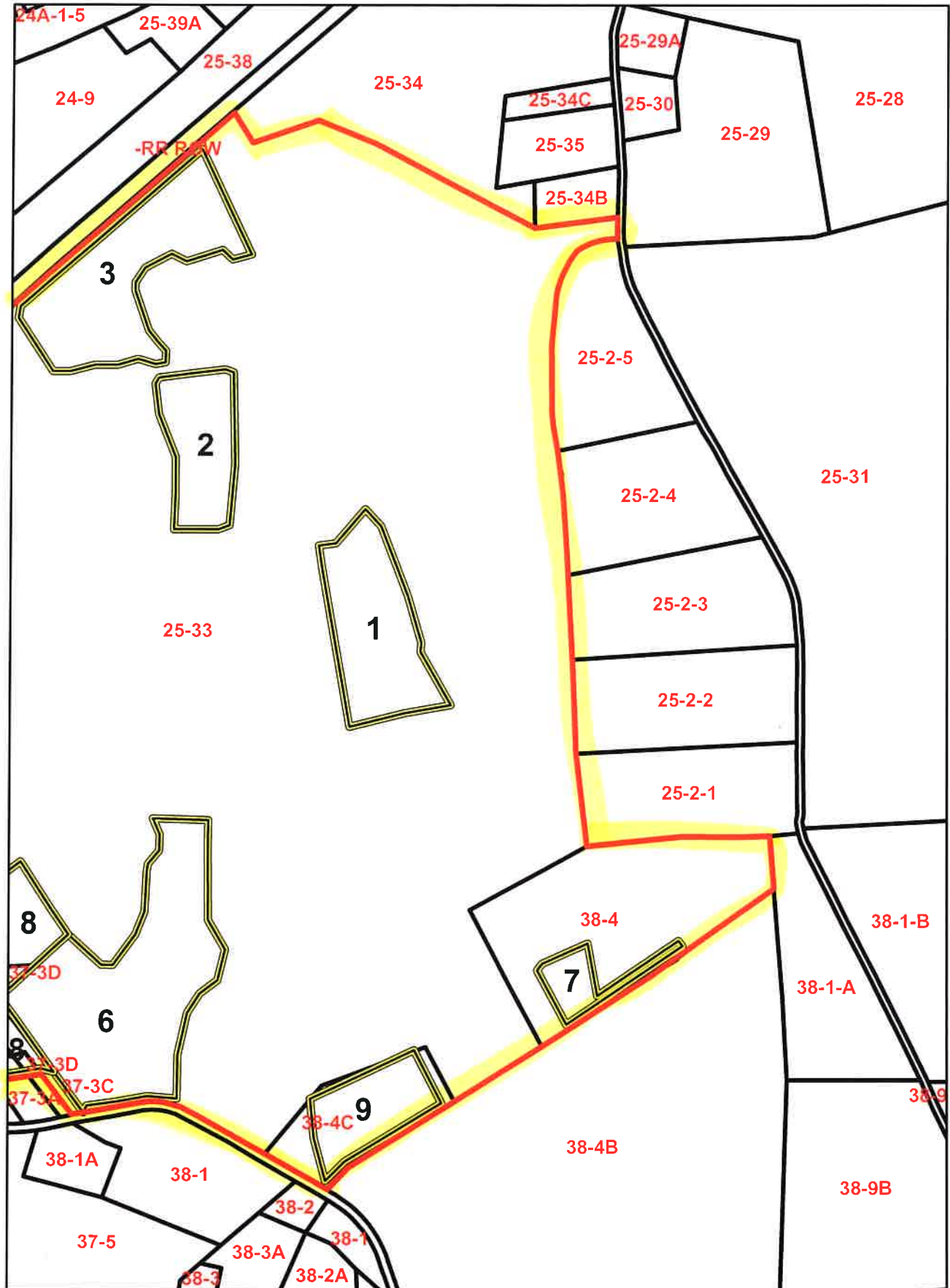


**Tax Map Incorrect**

# Tax Map

1 in = 660 feet





11-19-19

Tax Map

1 in = 660 feet

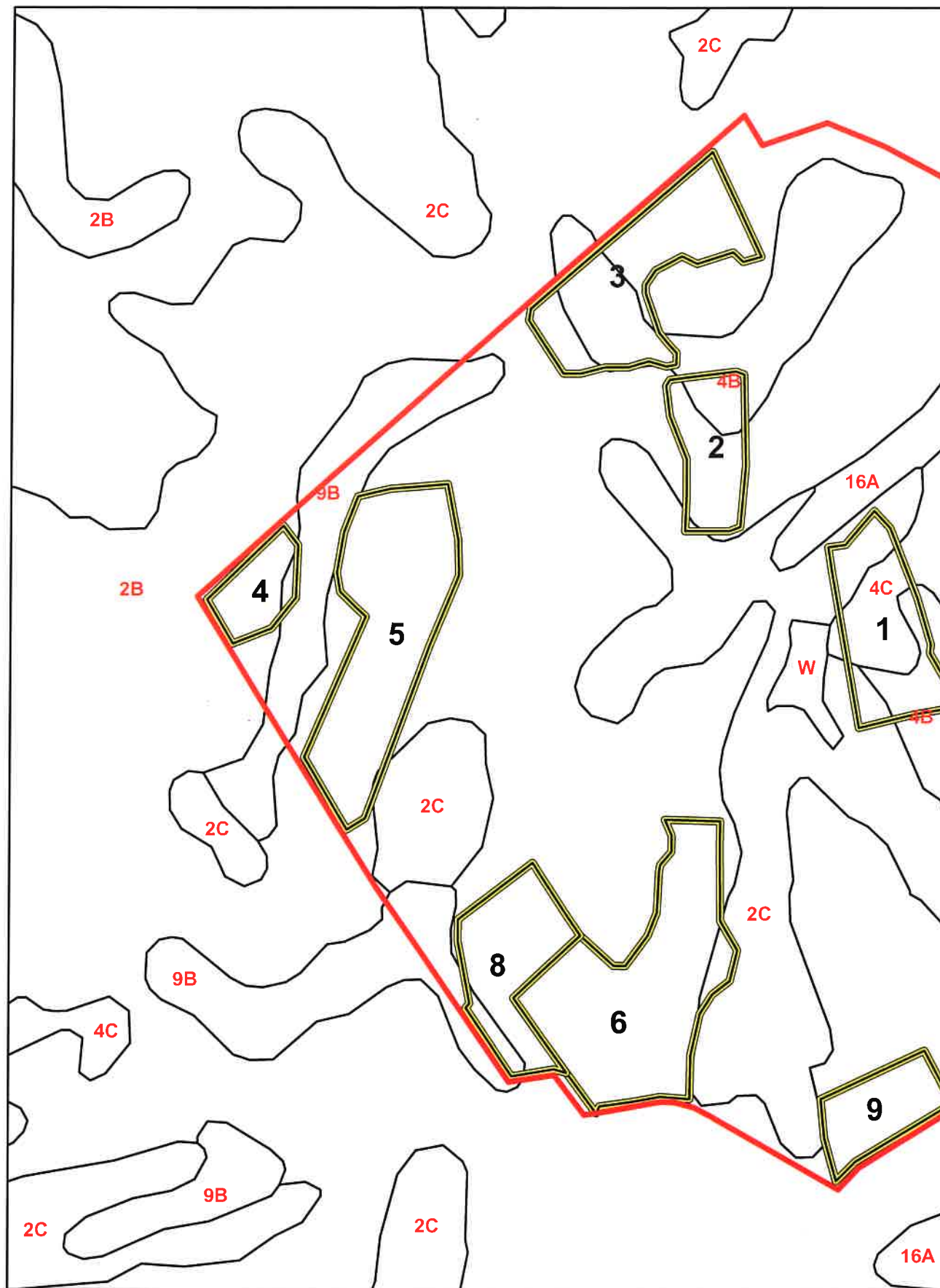


# ADJOINING LANDOWNERS

## ALVA S. EMERSON

### DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
24	9A	Sharon Dalton
	15	Marion Hays Coburn Estate c/o Kennon C. Walden
25	29	Robert S. and Shelia M. Conlee
	31	Traeland LLC
	34	Ronald Shawn Miller
	35	John H. Jr. and Donna S. Bahlman
	38	No Data
25-2		Raymond Gene and George R. Jr. and Scottie L. and Curt William
	1	Hamlett
	2	Donald E. and Zelma V. Conlee
	3	Frank J. Colatorti
	4	Yolanda M. Walker
37	5	Barbara E. Rutherford
	3A	Harrison A. Moody
	3C	Harrison A. Moody
38	1	WB and Kate Marshall c/o Bettie Perry
	1A	Patricia D. Greenhill
	2	Annie H. Claiborne Life Estate c/o Beverly W. Claiborne
	4B	Harrison A. or Deborah L. Moody
38-1	A	Beverly Brandon Pressly

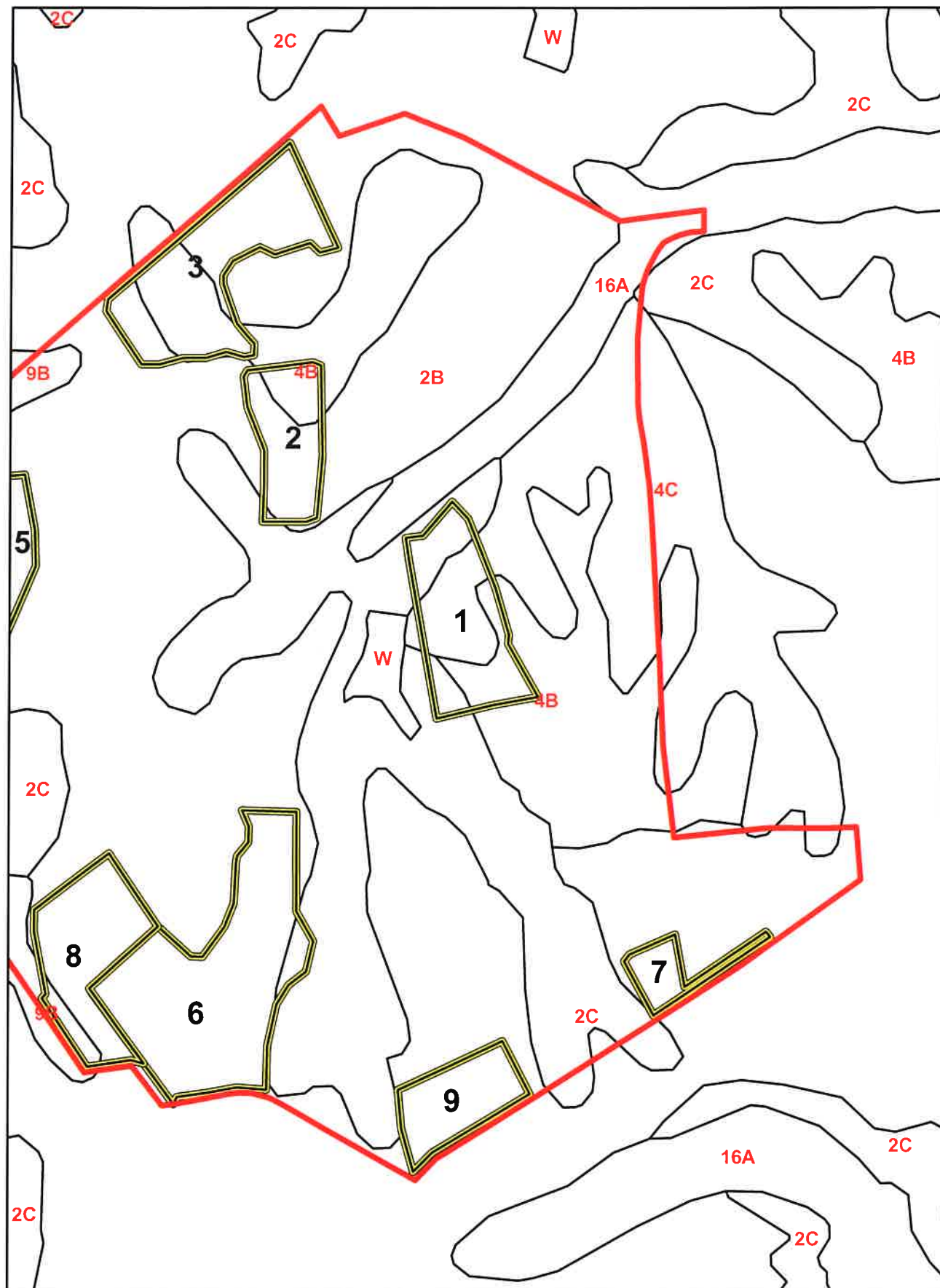


11-19-19  
Frequently  
Flooded

Soil Map

1 in = 660 feet





11-19-19

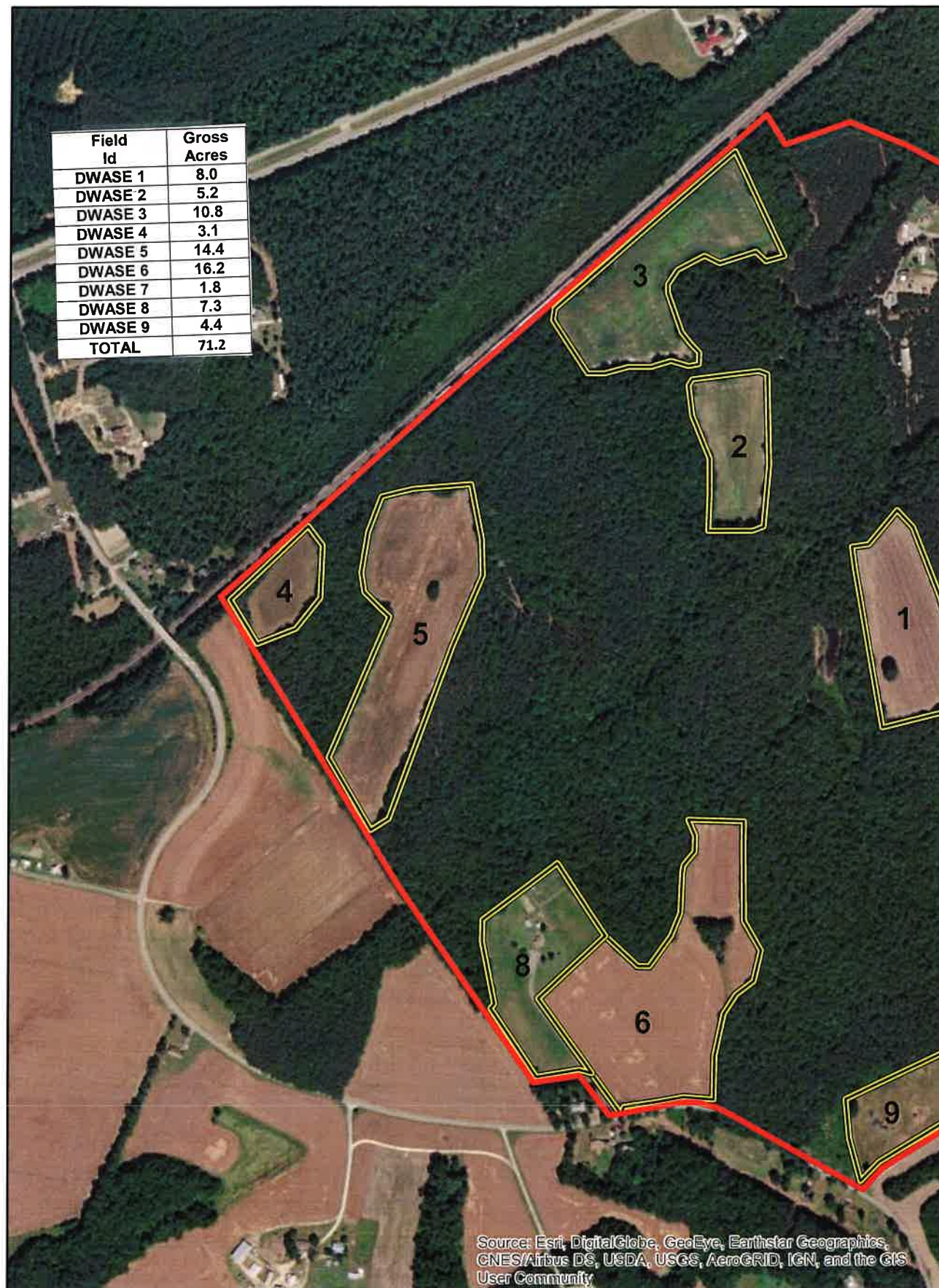


Frequently  
Flooded

## Soil Map

1 in = 660 feet

Field Id	Gross Acres
DWASE 1	8.0
DWASE 2	5.2
DWASE 3	10.8
DWASE 4	3.1
DWASE 5	14.4
DWASE 6	16.2
DWASE 7	1.8
DWASE 8	7.3
DWASE 9	4.4
<b>TOTAL</b>	<b>71.2</b>



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

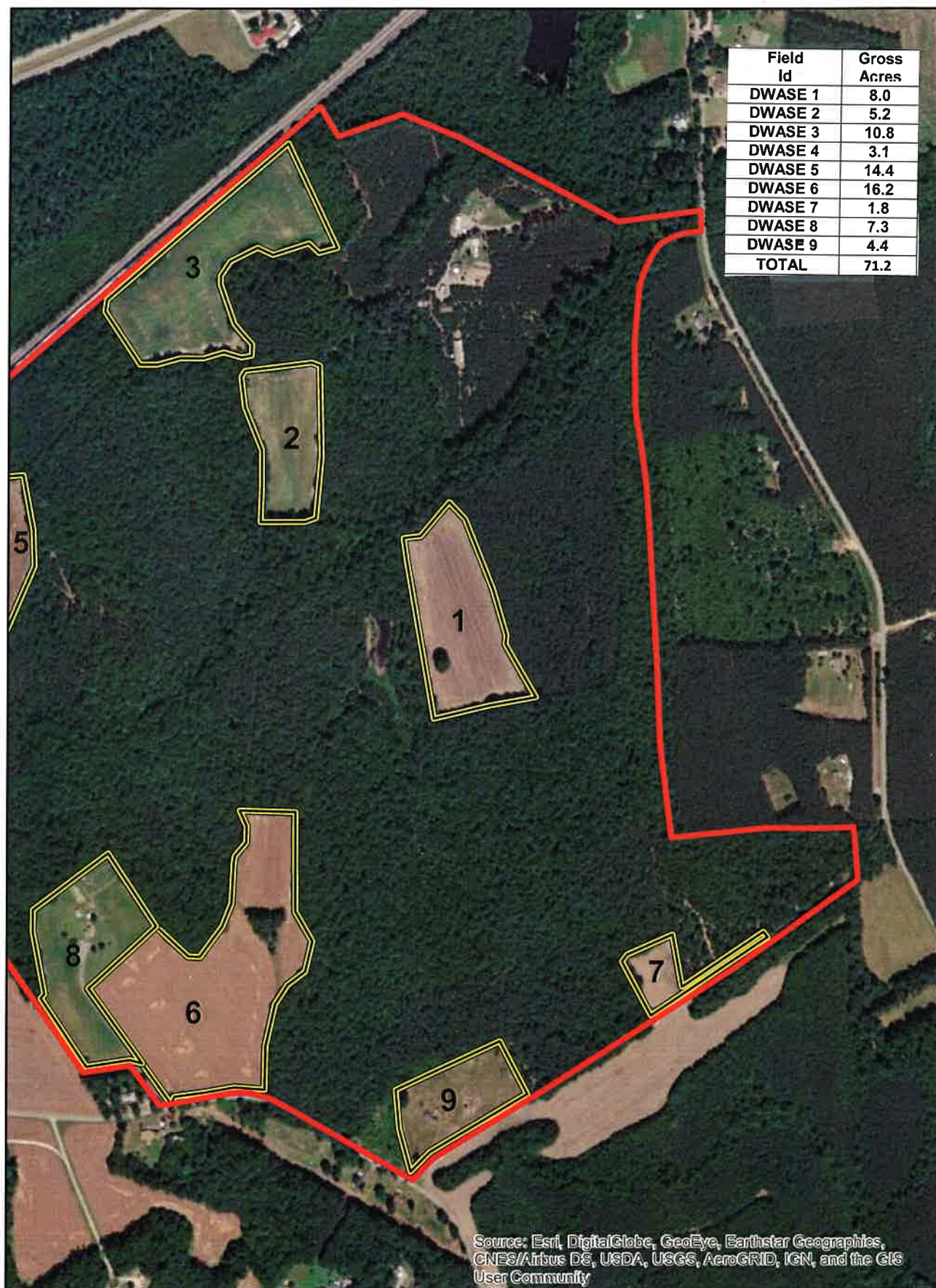
11-19-19

**Aerial Map**

1 in = 660 feet







11-19-19

**Aerial Map**

1 in = 660 feet







United States  
Department of  
Agriculture

## Dinwiddie County, Virginia

Tract 2248

Farm 4554



2019 Program Year

Map Created June 20, 2019

### Common Land Unit

Non-Cropland

Cropland

rel\_L\_va053

Tract Boundary

### Wetland Determination Identifiers

Restricted Use

Limited






















Exempt from Conservation

Compliance Provisions

Tract Cropland Total: 68.93 acres

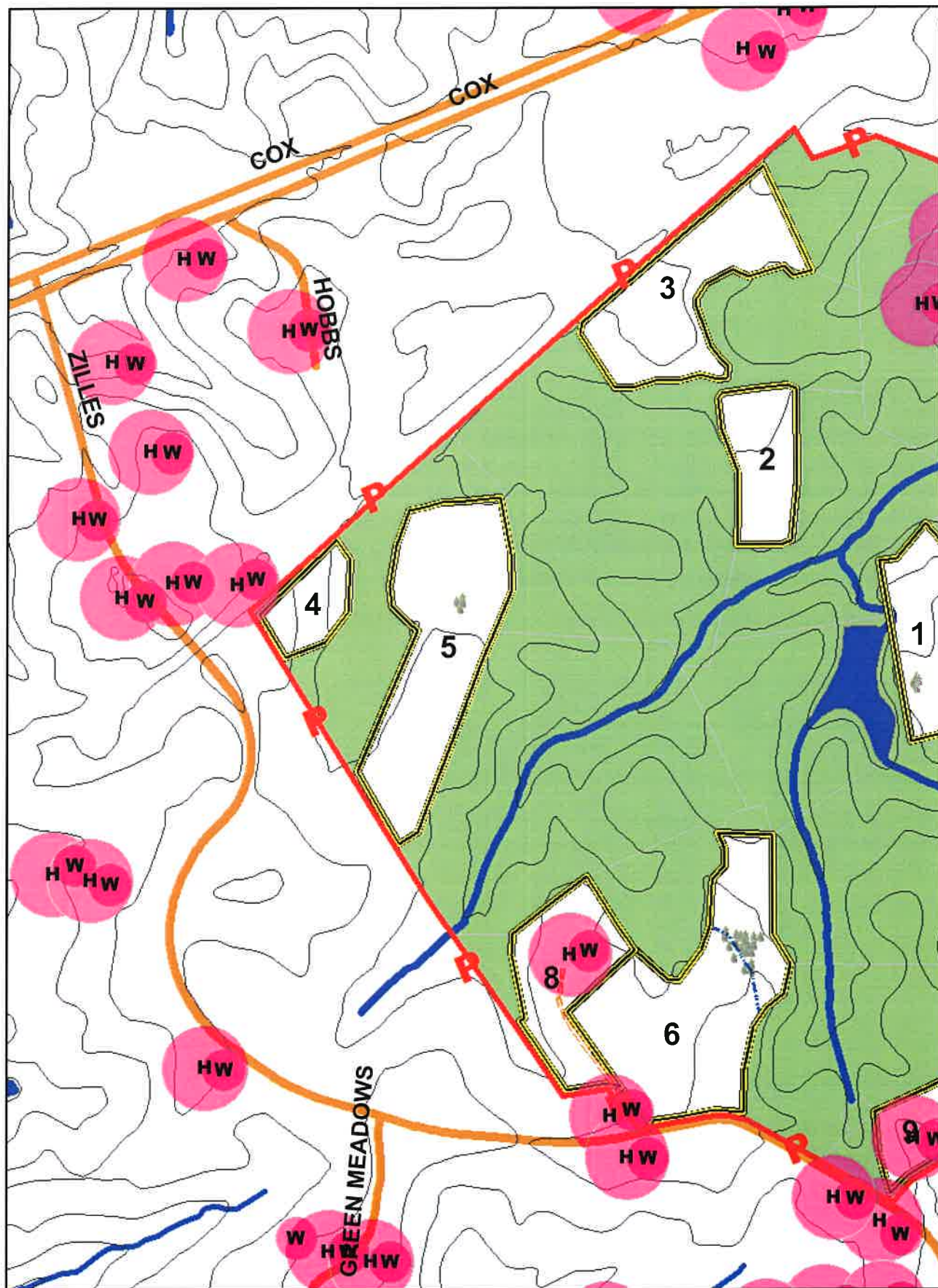
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# Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
 	Well or Spring	100 feet from water supply wells or springs
 	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
  	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
  	Property Line	100 feet from property line *
 	Slope	15% maximum
	Hashed out Area	No application

\*Buffer can be reduced or waived upon written consent from landowner.





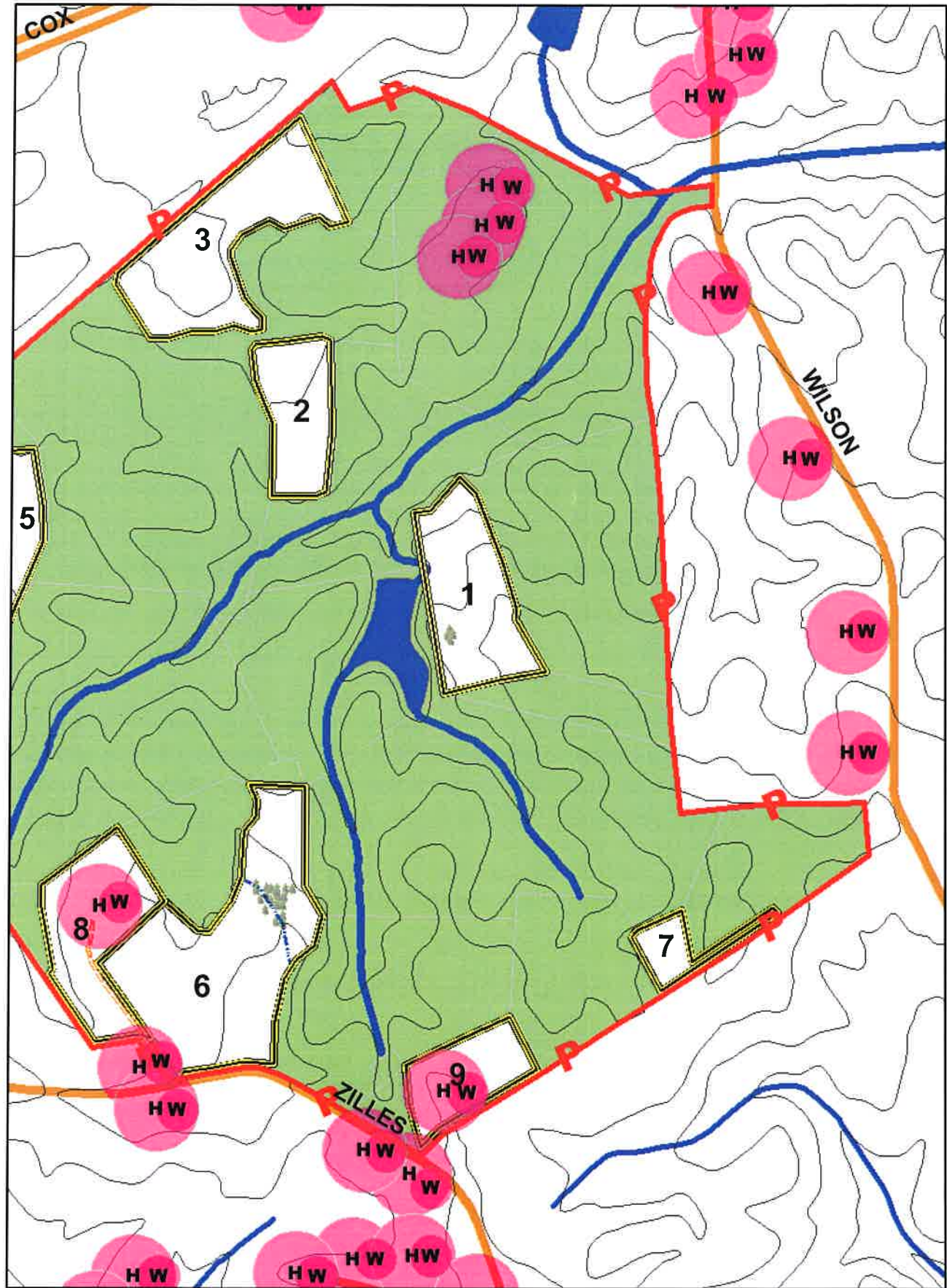
11-19-19

Site Map

1 in = 660 feet







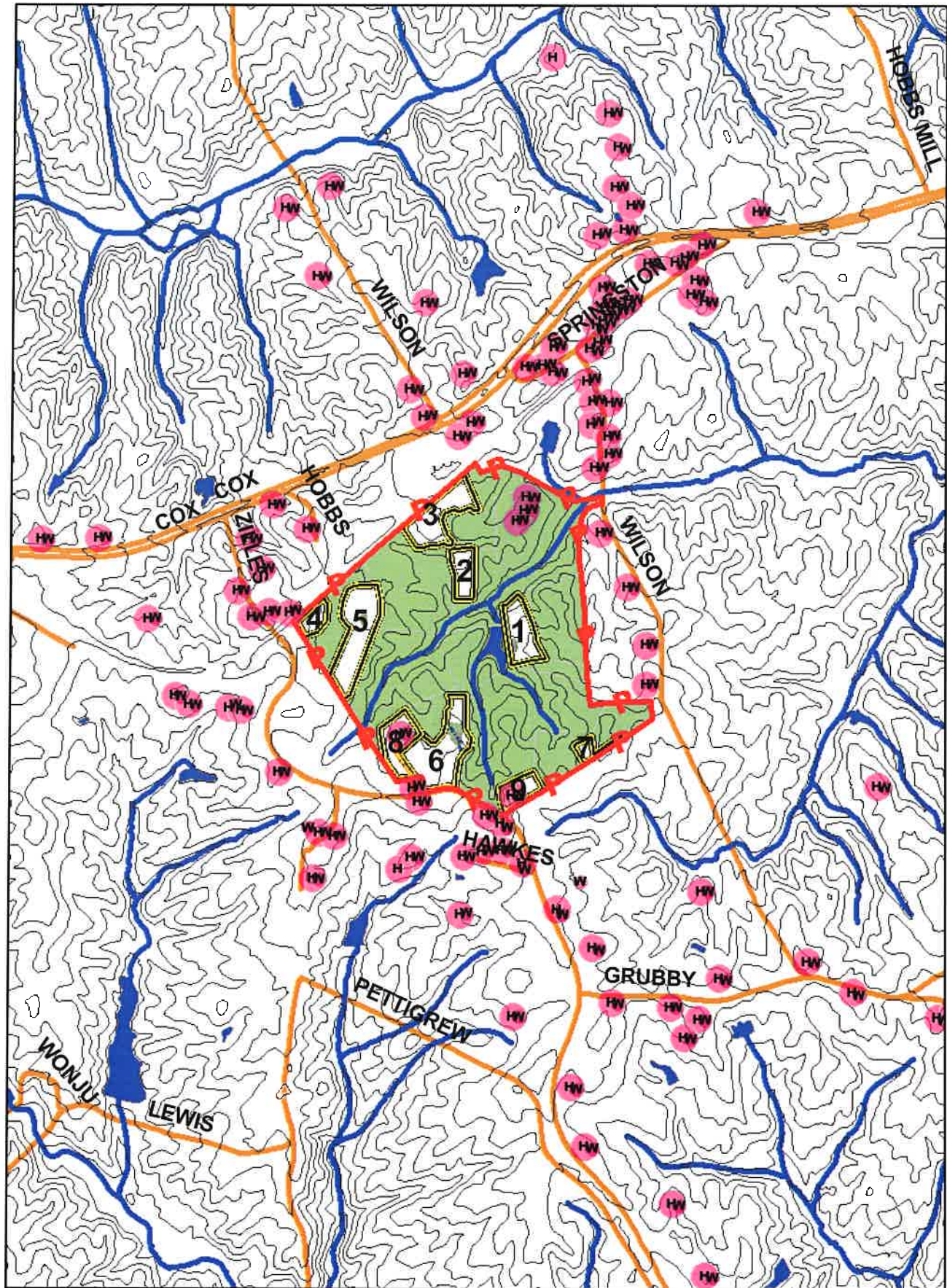
11-19-19

Site Map

1 in = 660 feet







11-19-19

Topographic Map

1 in = 2,000 feet

N

